Listing of Claims:

1. (currently amended) A tone dialer, comprising:

a dial buffer adapted to contain a plurality of tone generator commands; and

a tone generator adapted to generate dual tone, multi-frequency tones in accordance with a sequence of said plurality of tone generator commands;

wherein said tone generator commands include a first command corresponding to a mimicked activation of a particular key, and a second command corresponding to a mimicked release of said particular key.

2. (currently amended) ~~The tone dialer according to claim 1, wherein~~ A tone dialer, comprising: ~~said dial buffer is~~

a circular dial buffer adapted to contain a plurality of tone generator commands; and

a tone generator adapted to generate tones in accordance with a sequence of said plurality of tone generator commands;

wherein said tone generator commands include a first command corresponding to a mimicked activation of a particular key, and a second command corresponding to a mimicked release of said particular key.

3. (currently amended) ~~The tone dialer according to claim 1, further~~ A tone dialer, comprising:

a circular dial buffer adapted to contain a plurality of tone generator commands;

a tone generator adapted to generate tones in accordance with a sequence of said plurality of tone generator commands; and

a timer to time a generated length of tones when said dial buffer contains a plurality of non-null commands

wherein said tone generator commands include a first command corresponding to a mimicked activation of a particular key, and a second command corresponding to a mimicked release of said particular key.

4. (currently amended) ~~The tone dialer according to claim 3, wherein~~ A tone dialer, comprising:

a dial buffer adapted to contain a plurality of tone generator commands; and

a tone generator adapted to generate tones in accordance with a sequence of said plurality of tone generator commands;

wherein said tone generator commands include a first command corresponding to a mimicked activation of a particular key, and a second command corresponding to a mimicked release of said particular key; and

when said dial buffer contains no more than one non-null command, said tone generator is adapted to generate said non-null tone until said second command is received.

5. (currently amended) ~~The tone dialer according to claim 1, wherein~~ A tone dialer, comprising:

a dial buffer adapted to contain a plurality of tone generator commands; and

a tone generator adapted to generate tones in accordance with a sequence of said plurality of tone generator commands;

wherein said tone generator commands include a first command corresponding to a mimicked activation of a particular key, and a second command corresponding to a mimicked release of said particular key; and

said dial buffer and said tone generator are comprised in a single processor device.

6. (currently amended) ~~The tone dialer according to claim 5, wherein~~ A tone dialer, comprising:

a dial buffer adapted to contain a plurality of tone generator commands; and

a tone generator adapted to generate tones in accordance with a sequence of said plurality of tone generator commands;

wherein said tone generator commands include a first command corresponding to a mimicked activation of a particular key, and a second command corresponding to a mimicked release of said particular key; and

said single processor device is a digital signal processor.

7. (currently amended) ~~The tone dialer according to claim 1, wherein~~ A tone dialer, comprising: ~~said dial buffer is a~~

a first in, first out ~~device~~ dial buffer adapted to contain a plurality of tone generator commands; and

a tone generator adapted to generate tones in accordance with a sequence of said plurality of tone generator commands;

wherein said tone generator commands include a first command corresponding to a mimicked activation of a particular key, and a second command corresponding to a mimicked release of said particular key.

8. (currently amended) ~~The tone dialer according to claim 1, wherein~~ A tone dialer, comprising:

a dial buffer adapted to contain a plurality of tone generator commands; and

a tone generator adapted to generate tones in accordance with a sequence of said plurality of tone generator commands;

wherein said tone generator commands include a first command corresponding to a mimicked activation of a particular key, and a second command corresponding to a mimicked release of said particular key; and

said dial buffer is adapted to contain a stop DTMF tone generator command in every other location.

9. (canceled)

10. (currently amended) A method of digitally generating tones, comprising:

inputting a plurality of tone ON commands into a dial buffer accessible by a first processor;

inputting a plurality of tone OFF commands into said dial buffer; and

sequentially presenting an output sequence of tone command information based on a sequence of said tone ON commands and said tone OFF commands in said dial buffer, to a <u>dual tone, multi-frequency</u> tone generator.

11. (currently amended) A ~~The~~ method of digitally generating tones ~~according to claim 10, further~~ comprising:

<u>inputting a plurality of tone ON commands into a dial buffer accessible by a first processor;</u>

<u>inputting a plurality of tone OFF commands into said dial buffer;</u>

<u>sequentially presenting an output sequence of tone command information based on a sequence of said tone ON commands and said tone OFF commands in said dial buffer, to a tone generator; and</u>

generating tones on a fixed timing basis when more than one tone ON command is available in said dial buffer.

12. (currently amended) Apparatus for digitally generating tones, comprising:

means for inputting a plurality of tone ON commands into a dial buffer accessible by a first processor;

means for inputting a plurality of tone OFF commands into said dial buffer; and

means for sequentially presenting an output sequence of tone command information based on a sequence of said tone ON commands and said tone OFF commands in said dial buffer, to a <u>dual tone, multi-frequency</u> tone generator.

13. (currently amended) Apparatus ~~The apparatus~~ for digitally generating tones ~~according to claim 12,~~ ~~further~~ comprising:

<u>means for inputting a plurality of tone ON commands into a dial buffer accessible by a first processor;</u>

<u>means for inputting a plurality of tone OFF commands into said dial buffer;</u>

<u>means for sequentially presenting an output sequence of tone command information based on a sequence of said tone ON commands and said tone OFF commands in said dial buffer, to a dual tone, multi-frequency tone generator; and</u>

means for generating tones on a fixed timing basis when more than one tone ON command is available in said dial buffer.

14. (currently amended) Apparatus ~~The apparatus~~ for digitally generating tones ~~according to claim 12, wherein~~ <u>, comprising</u>:

said first processor is a digital signal processor

15. (currently amended) Apparatus ~~The apparatus~~ for digitally generating tones ~~according to claim 12, wherein~~ <u>, comprising</u>:

said digital signal processor includes a tone generator.

16. (currently amended) Apparatus ~~The apparatus~~ for digitally generating tones ~~according to claim 12, wherein~~ <u>, comprising</u>:

said dial buffer is circular.

17. (canceled)